AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing Of Claims:

Claim 1. (Currently Amended): ~~The present invention relates to a~~ A process for preparing a moisture-curable, alkoxysilane-functional polyether urethane by reacting at an NCO:OH equivalent ratio of 1.5:1 to 2.5:1

a) a hydroxyl component containing

   i) 20 to ~~100%~~ 60% by weight, based on the weight of component a), of a polyether containing two hydroxyl groups and one or more polyether segments, wherein the polyether segments have a number average molecular weight of at least 3000 and a degree of unsaturation of less than 0.04 milliequivalents/g, provided that the sum of the number average molecular weights of all of the polyether segments per molecule averages 6000 to 20,000, and

   ii) ~~0 to 80%~~ 40 to 80% by weight, based on the weight of component a), of a polyether containing one hydroxyl group and one or more polyether segments having a number average molecular weight of 1000 to 15,000, with

b) an isocyanate component containing

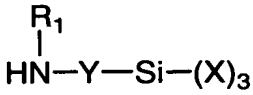
   i) 20 to 100% by weight, based on the weight of component b), of a compound containing two isocyanate groups, and

   ii) 0 to 80% by weight, based on the weight of component b), of a compound containing one isocyanate group,

to form an isocyanate-containing reaction product and subsequently reacting this reaction product at an equivalent ratio of isocyanate groups to isocyanate-reactive groups of 0.8:1 to 1.1:1 with

c) compounds containing an isocyanate-reactive group and one or more reactive silane groups selected from

i) compounds corresponding to formula I



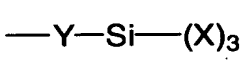
(I)

wherein

X represents identical or different organic groups which are inert to isocyanate groups below 100°C, provided that at least two of these groups are alkoxy or acyloxy groups,

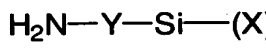
Y represents a linear or branched alkylene group containing 1 to 8 carbon atoms and

R_1 represents an organic group selected from alkyl, cycloalkyl or aromatic groups having from 1 to 12 carbon atoms and a group corresponding to formula II



(II) , and

ii) the reaction product of aminosilanes corresponding to formula IV



(IV)

with maleic or fumaric acid esters corresponding to formula V

(V)

wherein X and Y are as defined above,

R_2 and R_5 are identical or different and represent alkyl groups having 1 to 4 carbon atoms, and

R_3 and R_4 are identical or different and represent hydrogen or organic groups which are inert towards isocyanate groups at a temperature of 100°C or less,

to form a moisture-curable, alkoxysilane-functional polyether urethane, provided that total percentages of a-ii) and b-ii) add up to at least 10.

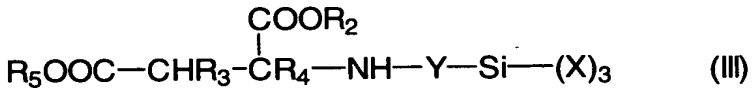
Claim 2. (Original): The process of Claim 1 wherein

X represents identical or different alkoxy groups having 1 to 4 carbon atoms,

Y represents a linear radical containing 2 to 4 carbon atoms or a branched radical containing 5 to 6 carbon atoms and

R_1 represents ethyl.

Claim 3. (Original): The polyether urethane of Claim 1 wherein at least 10 mole % of component c) is a compound corresponding to the formula



$$R_5OOC-CHR_3-\underset{\displaystyle COOR_2}{\underset{|}{C}}R_4-NH-Y-Si-(X)_3 \qquad (III)$$

wherein

X represents identical or different alkoxy groups having 1 to 4 carbon atoms,

Y represents a linear radical containing 2 to 4 carbon atoms or a branched radical containing 5 to 6 carbon atoms and

R_2 and R_5 are identical or different and represent alkyl groups having 1 to 4 carbon atoms and

R_3 and R_4 represent hydrogen.

Claims 4-15. (Cancelled)

Claim 16. (Original): The process of Claim 1 wherein the polyether segments of component a-i) have a number average molecular weight of at least 6000 and the polyether segments of component a-ii) have a number average molecular weight of 3000 to 12,000.

Claim 17. (Original): The process of Claim 2 wherein the polyether segments of component a-i) have a number average molecular weight of at least 6000 and the polyether segments of component a-ii) have a number average molecular weight of 3000 to 12,000.

Claim 18. (Original): The process of Claim 3 wherein the polyether segments of component a-i) have a number average molecular weight of at least 6000 and the polyether segments of component a-ii) have a number average molecular weight of 3000 to 12,000.

Claims 19-20. (Cancelled)